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No. 19] NEW DELHI, SATURDAY, MAY 11, 1985 (VAISAKHA 21, 1907)

इस भाग में सिन्न पृष्ठ संख्या दी जाती है, जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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1—57 GI/85

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APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 214, ACHARYA JAGDISH BOSE ROAD, CALCUTTA-17

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

4th April, 1985

- 256/Cal/85. D. Swarovski & Co. A process for producing silicon tetrafluoride
- 257/Cal/85. Projects & Development India Limited. Process for preparation of phosphoric acid from low grade rock phosphate by removal of silica and magnesium from low grade high silica and MgO content, rock phosphates.
- 258/Cal/85. General Electric Company. Monolithic Capacitor Edge Termination.
- 259/Cal/85. Indian Institute of Technology Kharakpur. Acid Proof Binder.
- 260/Cal/85. Moskovsky Nauchno-Issledovatel'sky Institut Mikro-khirurgii Glaza. Method for automatic processing of electro-oculographic signals.
- 261/Cal/85. Moskovsky Nauchno-Issledovatel'sky Institut Mikro-khirurgii Glaza. Device for processing electro-oculographic signals.

6th April, 1985

- 262/Cal/85. Indian Institute of Technology Kharakpur. A process for the preparation of black coloured paint.
- 263/Cal/85. Projects & Development India Limited. An improved process for the preparation of dehydration catalyst for use in the conversion of ethyl alcohol to ethylene.

8th April, 1985

- 264/Cal/85. Sri Mororanian Sircar. 2 "L.H"-85 (Lubricating Hinge).

9th April, 1985

- 265/Cal/85. N. V. Philips' Gloeilampenfabrieken. Receiving arrangement for HF signals.
- 266/Cal/85. Esselte Meto International GMBH. Imprintable sheet method for the production thereof and use thereof.
- 267/Cal/85. Masaru Hattori. Color Sorting Apparatus.
- 268/Cal/85. Sulzer-Brothers Limited. Heddle drive device for a weaving machine. (Convention Date 15th May 1984) Europe.
- 269/Cal/85. Italcaps Sp.A. Bottle Cap.
- 270/Cal/85. TCN Channel Nine Pty. Limited. A Radio Transmission System

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH MUNICIPAL MARKET BUILDING, 3RD FLOOR, KAROL BAGH, NEW DELHI-5

18th March, 1985

- 223/Del/85 Council of Scientific and Industrial Research. "Portable multi-gas sampler".
- 224/Del/85 Council of Scientific and Industrial Research. "Improvements in or relating to the procedure of isolation of useful sterols from sugarcane wax".
- 225/Del/85 Aktiebolaget Hassle. "New phenoxopropanolamine salts and pharmaceutical preparations thereof".
- 226/Del/85 General Foods Corporation. "Vienna sausage meat analog".
- 227/Del/85 Centre Stéphanie de Recherches Mécaniques Hydromécanique Et Frottement. "Process for improving the corrosion resistance of ferrous metals parts".
- 228/Del/85. Lord Corporation. "Structural adhesive formulations".

- 229/Del/85. The Goodvear Tire & Rubber Co., "A bias ply pneumatic tire".

- 230/Del/85 Michel Henri Roland Larroche, "Improvements in or relating to preserved aqueous food product and a high vacuum, method of obtaining same, plant for carrying out the method, container lid and container to be used for performing the method".

19th March, 1985

- 231/Del/85. Ajay Singh Naigas, "(Campulock) Car security system (Locks)".
- 232/Del/85 Suresh Kumar Chawla, "A transport system".
- 233/Del/85. Kameshwar Nath Mallik, "A process for the preparation of synthetic gems".
- 234/Del/85. Kameshwar Nath Mallik, "A reactor for the manufacture of synthetic gems and diamonds".
- 235/Del/85. Tobu Enterprises Pvt. Ltd., "Improvements in or relating to a tricycle".
- 236/Del/85. Kievsky Politekhnikhesky Institut Imeni 50-Letia Velikoi Oktvabrskoi Sotsialisticheskoi Revoljutsii, "Electrode for electric-arc building-up".
- 237/Del/85. Kaushal Kishore, "Chloride free accelerating admixtures for portland cement concrete".

21st March, 1985

- 238/Del/85. The Babcock & Wilcox Co., "Low pressure loss burner for coal water slurry or fuel oil".
- 239/Del/85 Shell Internationale Research Maatschappij B.V., "Process for the preparation of polymers of conjugated dienes and optionally monocyclic aromatic hydrocarbons". (Convention date March 23, 1984) (U.K.).
- 240/Del/85. Bayer Aktiengesellschaft, "Process for quenching fluorescence, and new cationic or amphoteric aromatic nitro compounds".

22nd March, 1985

- 241/Del/85. Shri Ram Institute For Industrial Research, "A resin copolymer blend".
- 242/Del/85. Shri Ram Institute for Industrial Research, "A resin copolymer blend".
- 243/Del/85 The Director, All India Institute of Medical Science, "A nasal filter for prevention against inhalant allergy".
- 244/Del/85. Pfizer Inc., "2-(N Substituted guanidino)-4-Heteroarylthiazole antiulcer agents".

23rd March, 1985

- 245/Del/85. Council of Scientific and Industrial Research. "A process for the recovery of silver from waste hydro solutions available from photographic industries".
- 246/Del/85. Council of Scientific and Industrial Research. "Improvements in or relating to the process for the production of pure magnesium carbonate from magnesite/dolomite".
- 247/Del/85. Council of Scientific and Industrial Research. "A process for the extraction of carcinol and like colouring additives from the plant-kokum (Carcinia) (Indica)".
- 248/Del/85. Council of Scientific and Industrial Research. "A process for production of low viscous, sufficiently fluid, pumpable concentrated slurry fuel".
- 249/Del/85. Council of Scientific and Industrial Research. "Process for the preparation of synthetic sea water corrosion inhibitor from combination of chemicals for protection of mild steel".
- 250/Del/85. Council of Scientific and Industrial Research. "Improvements in or relating to non aqueous lithium iron sulphide button cells".

251/Del/85. Council of Scientific and Industrial Research,
"A process for preparing base polymer for ion-
exchange membranes".

252/Del/85. Council of Scientific and Industrial Research,
"Improvements in or relating to four probe
resistivity meter."

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI
ESTATES, IIIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-400 013.

2-3-1985

66/BOM/85 Vipin C. Shah Creation of a filament lamp which stays in use even after it
fuses once or more than once.
67/BOM/85 J. R. Laljibhai Joshi Graph Board with magatic letters and numbers.

5-3-1985

68/BOM/85 S. C. Thadani An improved safety device for pressure cooker.

8-3-1985

69/BOM/85 H. K. Karve A mechanical device for a gearless drive between hour and hands,
of a clock.
70/BOM/85 S. A. Shetty A portable Gallery for a Stadium.

2-3-1985

71/BOM/85 Nitsubishi Denki Kabushiki
Kaisha Pilot wire distance compensating circuit.

22-3-1985

72/BOM/85 Vijay Góvind Gokhale Precast cement concrete foundation blocks for building founda-
tion for load bearing wall or like structure.
73/BOM/85 Parle Products Pvt. Ltd. A pilfer proof container and closure assembly.

APPLICATIONS FOR PATENTS FILED AT THE
PATENT OFFICE BRANCH, 61, WALLAJAH ROAD,
MADRAS-600 002

Madras, the 25th March 1985

225/Mas/85. British Uralite Plc. Hydraulic Cement com-
positions containing fibrous material. (Septem-
ber 13, 1984; Great Britain).

226/Mas/85. Societe Francaise Des Produits Pour Catalyse
Pro-catalyse Chez Institut Francais Du Petrole.
Novel Hydrocracking or cracking catalyst for
hydrocarbon charges.

26th March, 1985

227/Mas/85. University of Medicine and Dentistry of New
Jersey. Biodegradable matrix and methods for
producing same.

228/Mas/85. Unisearch Limited. Buried Contact Solar
Cell. (March 26, 1984; Australia).

229/Mas/85. Perfluktiv-Consult AG. Process and appara-
tus for the manufacture of activated form coke.

230/Mas/85. Perfluktiv-Consult AG. Activated coke
Produced from black coal and process for its
manufacture.

231/Mas/85. Perfluktiv-Consult AG. Shaft construction for
thermal and/or material transfer between gas
and solids.

232/Mas/85. Perfluktiv-consult AG. Process and apparatus
for decreasing the noxious substance content of
flue gases.

27th March 1985

233/Mas/85. Shell Internationale Research Maatschappij
B.V. Process for the preparation of hydro-
carbons.

234/Mas/85. Shell Internationale Research Maatschappij
B.V. Process for the preparation of hydro-
carbons.

235/Mas/85. Union Carbide Corporation. Process for the
production of alkylene glycols with metalate-
containing solid.

236/Mas/85. Union Carbide Corporation. Organosalts of
metalate anions and process for the production
of alkylene glycole therewith.

237/Mas/85. Union Carbide Corporation. Processes for
the hydrolysis of alkylene oxides using organo-
metalates.

28th March, 1985

238/Mas/85. Raychem Corporation. Preparing poly (ary-
lene ketones).

239/Mas/85. Pilkington Brothers P.L.C. Coating apparatus.
(March 29, 1984, Great Britain).

240/Mas/85. Cubic Western Data. Multi-frequency lane
identification system.

241/Mas/85. Kemira OY. A method and an apparatus
for the vaporization and distillation of a liquid
reaction-mixture of a high pressure.

29th March, 1985

242/Mas/85. Eddyaya Gopalakrishna Rao. Improvements
relating to electrolytic preparation of hydrogen
and oxygen.

243/Mas/85. A. P. Abbobacker. A harmless tooth powder/
paste cum snuff composition.

244/Mas/85. Union Carbide Corporation. Process for
recovery of phosphorus ligand from vaporized
aldehyde.

245/Mas/85. Smith Meter Inc. Compact flow prover.
(October 26, 1984; United Kingdom).

246/Mas/85. W. L. Gore & Associates, Inc. An article for
the treatment of periodental disease and a
method of using said article.

247/Mas/85. Anlec Vehicles Ltd. Improvements in or
relating to mobile loaders. (March 30, 1984;
Great Britain).

30th March, 1985

- 248/Mas/85. Mobil Oil Corporation. Production of lubricant range hydrocarbons from light olefins.
- 249/Mas/85. Fellows Corporations. Temperature compensation apparatus for gear shapers. (September 17, 1984; Canada).
- 250/Mas/85. Fellows Corporation. Automatic calibration of sensor circuits in gear shapers. (September 17, 1984; Canada).

ALTERATION OF DATE

156085. Ante dated to 22nd September, 1980. (1585/Cal/83)

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 180 156074

Int. Cl. : F 24 b 100.

COAL BURNING HEATING APPARATUS.

Applicant : VERMONT CASTINGS, INC., BOX 40, PRINCE STREET, RANDOLPH, VERMONT 05060, UNITED STATES OF AMERICA.

Inventor : DUNCAN C. SYME.

Application No. 592/Cal/81 filed June 2, 1981.

Convention dated 8th July, 1980 (80 22350) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

29 Claims

A coal burning heating apparatus comprising .

- a heat conducting frame member enclosing
- a primary combustion chamber,
- a secondary combustion chamber in gaseous communication with said primary combustion chamber, and
- a baffling arrangement in gaseous communication with said secondary combustion chamber, for providing a long internal heat exchange path,

a vertically oriented, downwardly directed baffle for separating said primary and secondary combustion chambers, a portion of said baffle being spaced from bottom surface of said frame for providing an opening connecting said primary and secondary combustion chambers for providing said gaseous communication therebetween,

a primary air supply path for providing air for promoting combustion in said primary combustion chamber,

a secondary air supply path extending at least along said downwardly directed baffle for providing preheated air to said secondary combustion chamber at said opening, and

a combustion products exit aperture at a top portion of said frame and in gaseous communication with said baffling arrangement for providing an exit port for combustion products,

apparatus for converting said heating member to a heating member adapted for coal burning comprising

means for preventing preheated air at said opening from entering said primary combustion chamber, said means including,

means for directing exhaust gases from said primary combustion chamber through a first portion of said opening to said secondary combustion chamber for passing through said long heat exchanges path, and assembly, and

means for blocking a remaining portion of said opening for preventing air from passing between said primary and secondary combustion chamber,

a grate assembly for holding coal,

means for supporting said grate assembly above the primary air supply for said primary combustion chamber,

means for effecting oscillating movement of said grate assembly, and

means for directing unburned coal from a top portion of said heating member toward said grate assembly.

Compl. specn. 46 pages.

Drg. 5 sheets.

CLASS : 32-A₁, 1

156075

Int. Cl. : C 09 b 62/00.

PROCESS FOR THE PREPARATION WATER-SOLUBLE FIBER REACTIVE COMPOUNDS CONTAINING A-B CHLORIETHYLSULFONYLMETHYL-BENZOYL AMIDE RADICAL.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

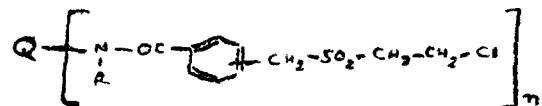
Inventors : 1. LUDIG SCHLAFER, 2. REINHARD HAHNLE.

Application No. 841/Cal/81 filed July 27, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

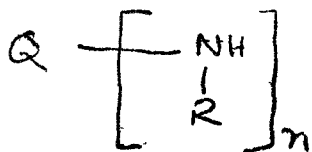
3 Claims

A process for the preparation of water soluble fibre reactive compound containing at least one chloroethylsulfonylmethyl-benzoyl radical and conforming to the general formula 1 of the accompanying drawings,

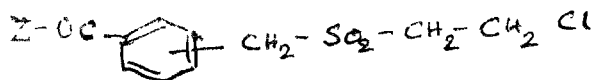


wherein 'Q' is the radical of a known water soluble organic compound which has fibre finishing properties such as dyeing

optical bright-ening, moth proofing, water repellency, soft handle, or ease of dyeing, crease-resistant or flameproof properties, 'R' is a hydrogen atom or a alkyl group as herein defined and 'n' represents a numeral 1 or 2 which comprises reacting a compound of the general formula 2,



wherein 'Q', 'R' and 'n' are as defined before with one or two equivalents of the compound of the formula 3,



wherein 'Z' represents a halogen atom, said reaction being carried out in a customary manner.

Compl. specn. 69 pages.

Drg. 17 sheets.

CLASS : 58-B

156076

Int. Cl. : F 05 b 3/00.

IMPROVEMENTS IN OR RELATING TO A DOUBLE WALL DOOR.

Applicant & Inventor : DAJIBA KRISHNARAO KAMBLE, OF EB-65, SALT LAKE, CALCUTTA-700 064, WEST BENGAL, INDIA.

Application No. 119/Cal/82 filed May 31, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A double wall door made of two separate sheet metals being the two walls of the door which may be flush or die pressed wherein the edges of the two sheet metals are cut away at plurality of locations for fixing fittings therein, the remaining portions of the cut away edges of the metal sheets being bent inwardly (into U-shaped channel sections and assembling the two walls of the door by means of the said fittings so as to provide an air gap between the two walls of the door.

Compl. specn. 12 pages.

Drg. 3 sheets.

CLASS : 68-D

156077

Int. Cl. : G 05 f 1/10.

PROTECTIVE SYSTEM FOR ALTERNATING CURRENT POWER SUPPLY CIRCUITS SUSCEPTIBLE TO EMERGENCY SHORT CIRCUITS IN ITS LOAD FEEDERS.

Applicant : LENINGRADSKOE PROEKTNO-EXPERIMENTALNOE OTDELENIYE VSESOJUZNOGO GOSUDAR-STVENNOGO NAUCHNO-ISSLEDOVATELSKOGO I PROEKTNOGO INSTITUTA "VNII-PROEKTELEKTROMONTAZH", OF LENINGRAD, ULITSA DNEPZOPETROVSKAYA 31/33, U.S.S.R.; AND, VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNY INSTITUT MEKHANICHESKOI OBRABOTKI POLEZNYKH ISKOPAEMYKH, OF LENINGRAD, 21 LINIA 8a, U.S.S.R.

Inventors : 1. GRIGORY MARKOVICH RUBASHEV, 2. STANISLAV NIKOLAEVICH STAROSTIN, 3. DAVID IOSIFOVICH APTEKAR, 4. KIRILL ALEXANDROVICH PANIN, 5. SERGEI IVANOVICH ZOLNIKOV.

Application No 283/Cal/82 filed March 12, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

A protective system for alternating current power supply circuits susceptible to emergency short-circuits in its load feeders, including a power source, a distribution network connected to a power supply line, load feeders, and a plurality of artificial short circuit means, comprising means for measuring in successive steps the current in an emergency short circuit arising in a damaged load feeder, means for connecting the power source to one of the artificial short circuit means during the first quarter of the first cycle of the current in the emergency short circuit means for bridging the power source with an additional short circuit means having an electrical resistance that is substantially less than the resistance of the disconnecting the damaged load feeder from the power supply line of the distribution network, means for disconnecting the additional short circuit means from the power source and means for disconnecting the artificial short circuit means from the power source.

Compl. specn. 26 pages.

Drg. 2 sheets.

CLASS : 172-E

156078

Int. Cl. : B 65 h 54/00.

APPARATUS FOR WINDING A THREAD.

Applicant : MASCHINENFABRIK RIETER AG, OF WINTERTHUR, SWITZERLAND.

Inventor : PETER SCHWENGLER.

Application No. 367/Cal/82 filed April 1, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

Apparatus for winding a thread onto a rotatable, conical bobbin tube into a bobbin package, with a rotatable friction drum, which comprises a plurality of cylindrical rotational elements on a common driving shaft, and which contacts the bobbin tube, or the bobbin package respectively, along a sleeve line, in which arrangement during operation the bobbin package and the friction drum roll on each other, characterized in that a first element (25, 45) of the friction drive drum (22, 42) is connected with the shaft (23, 43) for joint rotation, and that at least two further elements (24, 26, 44, 46) of the friction drive drum (22, 42) are supported freely rotatable on a rotational bearing (27, 28, 47, 48) each arranged on the shaft 23, 43).

Compl. specn. 13 pages.

Drg. 2 sheets.

CLASS : 32-F₂ (b); 55-E₄; 60-X₂ d

156079

Int. Cl. : C 07 f 15/02; C 07 g 7/04.

A METHOD OF PREPARING SUCCINYLATED PROTEINS CONTAINING IRON.

Applicant : ITALFARMACO S.p.A., OF VIALE FULVIO TESTI, 330, MILANO, ITALY.

Inventors : 1. GIANCARLO SPOROLETTI, 2. PIER GIUSEPPE PAGELLA, 3. PIETRO CREMONESI.

Application No. 263/Cal/83 filed March 2, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A method for preparing succinylated proteins containing iron, characterised in that a succinylated protein is made to react with iron salts in an aqueous medium, at a pH between 2 and 10, and in that the product obtained is isolated as hereinbefore described.

Compl. specn. 37 pages.

Drg. 4 sheets.

Class : 32-F, b

156080

Int. Cl. : C 07 c 49/76; C 07 d 31/40.

PROCESS FOR THE PREPARATION OF [2-[(AMINO-PYRIDINYL) AMINO] PHENYL] ARYLMETHANONES.

Applicant : A. H. ROBINS COMPANY, INC., OF 1407 CUMMINGS DRIVE, RICHMOND, VIRGINIA 23220, UNITED STATES OF AMERICA.

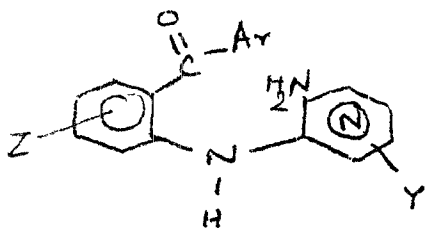
Inventor : CHANDLER ROY TAYLOR, JR.

Application No. 1261/Cal/81 filed November 13, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A process for the preparation of [2-[(amino-pyridinyl) amino] phenyl] arylmethanones having the formula II of chart 1.

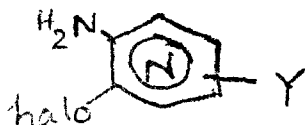


wherein :

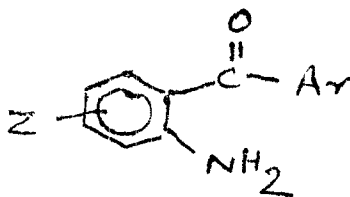
Ar is selected from the group consisting of 2, 3 or 4-pyridinyl, 2 or 3 thienyl, phenyl or phenyl substituted by 1 to 3 radicals selected from halo, lower-alkyl, loweralkoxy, trifluoromethyl or nitro and may be the same or different.

Z is selected from the group consisting of hydrogen, halo, loweralkyl, loweralkoxy, hydroxy or nitro and

Y is selected from the group consisting of hydrogen or 1-2 radicals selected from loweralkyl, loweralkoxy, or hydroxy and may be the same or different, comprising the step of heating a mixture of halo-aminopyridine having the formula IV of chart 1.



wherein Y is as defined above, and an (aminophenyl) arylmethanone having the formula III of chart 1.



wherein Z and Ar are as defined above for a shorter time than that required for cyclization to the pyrido-benzo-diazepine (say 1 to 1.5 hrs.) at 170°C-200°C, separating and isolating the resulting [2-[(aminopyridinyl) amino] phenyl] arylmethanone using solvents such as herein described to separate it from starting materials and some cyclized pyrido-benzodiazepine.

Compl. specn. 25 pages.

Drg. 1 sheet.

CLASS : 72-A

156081

Int. Cl. : C 06 b 15/00.

LIQUID OXYGEN EXPLOSIVES.

Applicant & Inventor : GANGA SAGAR MISRA, OF 3 B.C. ROAD, JAMESHEDPUR-1, BIHAR, INDIA.

Application No. 1463/Cal/81 filed 28th December, 1981.

Complete specification left dated 6th December, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A process for making liquid oxygen explosives characterized in grinding forest and industrial wastes such as tuft wood, saplings and branches thereof to fine powder having a pre-determined grain size to obtain optimum porosity, screening said ground wood by passing it through a sieve of 100 mesh or finer to separate the fine powder from the coarse, filling to the required compaction cartridges made of cloth or paper or any other suitable material with said finely ground wood powder and, if desired, with additives as herein described, soaking said cartridges thoroughly in liquid oxygen or by pouring liquid oxygen over said cartridges till full saturation.

Compl. specn 13 pages.

Drg. Nil.

CLASS : 25-A & C

156082

Int. Cl. : E 04 c 1/00.

HOLLOW BUILDING BLOCK.

Applicant & Inventor : BUEN ASBJRN, OF 3800-B-TELEMARY, NORWAY.

Application No. 94/Cal/82 filed January 22, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

Hollow building block comprising two laterally spaced side walls interconnected by at least one web means, and having at least one cavity with open top and bottom, characterized in that horizontal and vertical edge surfaces of said side walls are provided with tongue and groove means, each side wall having in a first pair of adjacent edge surfaces tongue means and in the other pair of adjacent edge surfaces groove means, the tongue and groove means in each of the side wall edge surfaces being dimensioned so as to be closely receivable in groove and tongue means of adjacent blocks.

Compl. specn. 12 pages.

Drg. 12 sheets.

CLASS : 32-F, (b)

156083

Int. Cl. : C 07 d 41/06.

IMPROVEMENT RELATING TO THE PROCESS FOR THE PREPARATION OF CAPROLACTAM.

Applicant : CHIMICA DEL FRIULI S.p.A., P. ZZA F. MARINOTTI I. TORVISOVA PROVINCE OF UDINE, ITALY.

Inventors : 1. IVO DONATI, 2. PIETRO PAOLO ROSSI, 3. DOMENICO ASTARITA, 4. MARIO CATONI.

Application No. 160/Cal/82 filed February 10, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

In a process for the preparation of caprolactam from raw hexahydrobenzoic acid containing neutral by products originating from its preparation by catalytic oxidation of toluene and subsequent catalytic hydrogenation of the benzoic acid formed, the improvement comprises premixing of the hexa-

hydrobenzoic acid with oleum in the presence of a solvent such as aliphatic or alicyclic hydrocarbons is carried out which solvent is adapted to form two phases, whereof the upper one, which contains practically all said by products, is separated by decantation, while the lower one, which contains the oleum and the hexahydrobenzoic acid in a practically pure condition, is conveyed to the reactor wherein the reaction between hexahydrobenzoic acid, oleum and the nitrosyl sulphate occurs to produce caprolactam as per known procedure.

Compl. specn. 11 pages.

Drgs. 4 sheets.

CLASS : 32-F; 40-B

156084

Int. Cl. : B01j 11/00; C07c 17/00.

PROCESS FOR THE PREPARATION OF AN OXYCHLORINATION CATALYST PRECURSOR.

Applicant : EUTECO IMPIANTI S.p.A., OF VIA GRAZIOLI 11, MILAN, ITALY.

Inventors : 1. ROBERTO CANAVESI, 2. ROBERTO GHEZZI, 3. VITTORIO TAGLIABUE.

Application No. 163/Cal/82 filed February 11, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

Process for the preparation of an ethylene oxychlorination catalyst precursor constituted by porous microspheroidal alumina particles impregnated with cupric chloride characterised by the operations of :

impregnating fluidized alumina particles at a temperature not greater than 50°C with an aqueous cupric chloride solution having a CuCl₂ concentration of from 16 to 60 g per 100 ml of impregnating solution, using a volume of said solution at most equal to 90% of the total pore volume of the alumina; evaporating the aqueous solvent from the fluidized impregnated particles, by applying a temperature gradient to the fluidizing gas equal to or less than 30°C/hour, starting from the impregnation temperature up to a maximum of 140°C and maintaining this maximum temperature for 0.5 to 15 hours under fluidization conditions.

Compl. specn. 32 pages.

Drg. 1 sheet.

CLASS : 140-A₂

156085

Int. Cl. : C10m 1/14.

AN IMPROVED LUBRICATING OIL HAVING NEW LUBRICANT ADDITIVES.

Applicant : THE LUBRIZOL CORPORATION, 29400 LAKELAND BLVD, WICKLIFFE, OHIO 44092, U.S.A.

Inventor : FRANK VICTOR ZALAR.

Application No. 1585/Cal/83 filed December 24, 1983.

Divisional of Application No. 1076/Cal/80 dated 22nd September, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

An improved lubricating oil having a conventional lubricant and an improved lubricant additive added thereto in the form of a composition or as a concentrate having a conventional inert liquid organic diluent and said additive wherein the lubricant additive comprises :

(A) at least one sulfurized alkyl phenol; and

(B) an oil-soluble carboxylic dispersant produced by reacting, in any order, at least one substituted

succinic acylating agent with at least one compound selected from the group consisting of compounds having at least one H-N group, organic hydroxy compounds, and reactive metals or reactive metal compounds; said substituted succinic acylating agent consisting of polyalkylene-derived groups having a number average molecular weight of at least 1300 attached to succinic groups, and having an average of at least 1.3 succinic groups present for each polyalkylene-derived group; said composition containing about 0.3-3.0 parts by weight of component A per part of component B.

Compl. specn. 34 pages.

Drg. Nil.

CLASS : 24D;

156086

Int. Cl. : F16d 65/00.

A FLUID ASSISTED BOOSTER.

Applicant : AUTOMOTIVE PRODUCTS LIMITED, OF TECHBROOK ROAD, LEAMINGTON SPA, WARWICKSHIRE CV31 3ER, ENGLAND, A BRITISH COMPANY.

Inventor : JOHN PIUS BURKE.

Application for Patent No. 582/Del/80 filed on 11th August, 1980.

Convention date 5th September, 1979/7930723/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A fluid assisted booster having an input rod with a thrust member thereon, an output rod having a piston head thereon, and a load transfer means located between the thrust member and the piston head, wherein the piston head has a load bearing face with an axial bore therein and the thrust member has an axial projection that extends through the load transfer means into the bore and is anchored to the piston head by means of a cap fitted to the load bearing face, the anchorage allowing the thrust member a forward stroke towards the output rod to apply a load to the load transfer means but limiting the relative displacement of the thrust member on the return stroke.

Compl. specn. 8 pages.

Drg. 2 sheets.

CLASS : 134B; 102B, D; 127C, G.

156087

Int. Cl. : F16h 9/00, 35/00; F15b 15/00.

INFINITELY VARIABLE CONE-PULLEY TRANSMISSION.

Applicant : P.I.V. ANTRIEB WERNER REIMERS GmbH & CO. KG., A KOMMANDITGESELLSCHAFT (LIMITED PARTNERSHIP) ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY OF INDUSTRIESTRASSE 3, D-6380 BAD HOMBURG 1, FEDERAL REPUBLIC OF GERMANY.

Inventor : HERBERT KARL STEUER.

Application for Patent No. 397/Del/81 filed on 18th June, 1981.

Convention date 6th May, 1981/8113786 (G.B.)

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

9 Claims

An infinitely variable cone-pulley transmission comprising four cone pulley discs arranged two each on a drive-input shaft and a drive-output shaft and endless transmission means that in operation, connects between these discs; on each shaft one of the cone pulley discs being so mounted to its respective shaft that it is axially displaceable thereon and rotates with the shaft and, in operation, acts as a pressure cylinder co-operating with a piston secured with the shaft to form a cylinder-piston unit; the transmission also

including a four-edged control slide valve for feeding pressure medium to the cylinder-piston units for the setting and maintenance of the transmission ratio, the slide valve being connected with one of the said axially-displaceable cone pulley discs; the other cone pulley disc on each shaft being axially fixed and secured to the shaft for rotation therewith; the transmission also including one or more torque sensors provided on one or both of the shafts for generating a torque dependant hydraulic pressure and determining the torque dependant hydraulic application pressure force in one or both of the cylinder-piston units, the or each sensor including internally concentric presser cams and rolling bodies inserted between the cams, one of the cams being formed on a first ring that is axially fixed and fastened for rotation with its associated shaft in a location remote from the fixed cone pulley disc associated with that shaft, the other presser cam being formed on a second ring mounted on the same shaft so as to be axially displaceable and rotatable thereon in a location between the first ring and the fixed cone pulley disc associated with that shaft, the said second ring together with the associated shaft or the associated fixed cone pulley disc forming a valve that, in operation, controls the torque-dependant hydraulic pressure and wherein, in operation, the torque is transmitted into or out of the transmission through the second ring.

Compl. specn. 14 pages.

Drq. 3 sheets.

CLASS : 127C

156088

Int. Cl. : F16h 7/00, 9/00

SIDE-BAR CHAIN FOR INFINITELY VARIABLE CONE-PULLEY TRANSMISSIONS.

Applicant : P.I.V. ANTRIEB WERNER REIMERS GmbH & Co. KG., A KOMMANDITGESELLSCHAFT (LIMITED PARTNERSHIP) ORGANISED UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY OF INDUSTRIESTRASSE 3, D-6380 BAD HOMBURG, 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : MANFRED RATTUNDE AND WALTER SCHOPF.

Application for Patent No. 398/Del/81 filed on 18th June, 1981

Convention date 18th May, 1981/15214 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A side-bar chain for infinitely variable cone pulley transmission, the chain comprising a plurality of jointed links made up from side-bars that each have two radially-extending end webs and two further webs that define at least one aperture in each side-bar, the joint between each pair of adjacent links being formed by a pair of rocker pieces located in apertures in these side-bars that constitute the pair of adjacent links, each rocker piece being associated with the side-bar(s) of one link to rotate therewith, and the end faces of the rocker pieces transmitting friction forces between the friction pulleys of the transmission and the chain, wherein each rocker piece bears against one end web of each associated side bar at two abutment points that are spaced apart in a generally radial direction, which abutment points are located at substantially opposite radial ends of the respective rocker pieces and wherein the portion of each rocker piece between the abutment points is sufficiently spaced from the end web of each associated side bar that it cannot, in use, bear against the said end web(s).

Compl. specn 12 pages.

Drq. 4 sheets.

CLASS : 86 (A+D+E)

156089

Int. Cl. : A47h 96/00

A WALI SHEIF

Applicant & Inventor : SYED IRFAN JAFFER, 8-2-468, BANJARA HILLS, HYDRABAD-500 034, ANDHRA PRADESH.

Application No. 256/Mas/82 filed December 23, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

5 Claims

A wall shelf comprising a mounting plate attachable to the wall; a supporting bracket screwed to the mounting plate; a shelf-rest resting on the supporting bracket, the shelf-rest being held firmly on the supporting bracket by a clamping plate screwed to the shelf-rest and the supporting bracket; and a screw threadedly engaged with the supporting bracket and butting against the mounting plate, for aligning the shelf-rest horizontally in a direction perpendicular to the wall.

Compl. specn. 8 pages.

Drq. 1 sheet.

CLASS : 32-F₃(b); 32-C

156090

Int. Cl. : C12c 11/00; C12d 1/04.

METHOD OF PREPARING SEEDING MATERIAL FOR PRODUCTION OF CITRIC ACID.

Applicant : EXPERIMENTALNY ZAVOD BIOKHEMICHESKIKH PREPARATOV, OF RIGA, UL. TSA LENINA, 222, USSR.

Inventors : 1. ROMAN YANOVICH KARLIN, 2. ALMA ALBERTOVNA RUMBA, 3. VIA KARLOVNA AZANDA.

Application No. 515/Cal/81 filed Mar 15, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

1 Claim

A method of preparing a seeding material for the production of citric acid, by cultivating spores (conidia) of the fungus *Aspergillus niger* on a nutrient medium containing carbon and nitrogen sources and mineral salts, and by separating spores (conidia) from the nutrient medium characterized in that the fungus used is the strain *Aspergillus niger* R-3 selected from the strain *Aspergillus niger* EV-19 which is obtained by the stepwise action of ethylenimine, N-nitrosomethyl and ultra-violet radiation and having the following morphological and cultural properties :

when grown on the Czapek-Dox broth, a five-day-old culture has rounded conidial heads, 200 to 220 micrometers in diameter; single-layer sterigmata, with sterigma lengths of 9 to 15 micrometers, vesicles of slightly oblong shape, sized 34 x 37 to 46 x 50 micrometers, dark brown conidia, round in shape and 5 to 7 micrometers in diameter, and conidio-phores 1 to 3 mm long; a five-day-old gigantic colony grown on the Czapek-Dox broth is round, 40 to 45 mm in diameter, and has an asporogenic zone of 4 to 8 mm;

when grown on must agar, a five-day-old colony is 46 to 48 mm in diameter with a 6 to 10 mm asporogenic zone, has dense sporophores, and a convex-shaped colony centre with sparse dark brown sporophores;

the strain is highly resistant to antagonist bacteria such as may occur in the process of citric acid fermentation;

the citric acid yield is up to 100 per cent with respect to the sugar content of the molasses used;

on a must agar medium, the strain gives a yield of spores (conidia) of 1.3 to 1.45 g per 1 dm² of spore growth area, with a concentration of conidia of 30 to 35 billion per 1 gramm.

Compl. specn. 19 pages.

Drq. Nil.

CLASS 32-F, 32-F(c) 156091

Int Cl. C 07c 39/00.

METHOD FOR THE PREPARATION OF SUBSTITUTED OR UNSUBSTITUTED PHENOL.

Applicant STAMICARBON B.V., OF P.O. BOX 10, GELEEN, THE NETHERLANDS

Inventors : 1. PAUL CHRISTIAAN VAN GEEM, 2. ANTONIUS JACOBUS JOSEPHUS MARIA TEUNISSEN.

Application No 567/Cal/81 filed May 28, 1981.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

10 Claims

Method for the preparation of substituted or unsubstituted phenol by the gas phase oxidation of the corresponding substituted or unsubstituted benzoic acid, in the presence of a catalyst characterized in that the catalyst contains :

- (a) a copper component
- (b) at least one vanadium or silver component, and
- (c) at least one lithium sodium or magnesium component and wherein the atomic ratios of said respective catalyst components (b) and (c) to copper are as follows :
 - (i) vanadium : copper at most 1 : 2 and silver : copper at most 1 : 2
 - (ii) lithium : copper at most 5 : 1, sodium : copper at most 5 : 1 and magnesium : copper at most 5 : 1

Compl specn 14 pages

Drgs Nil

CLASS 190-C 156092

Int Cl. F 03 b 15/00.

A DEVICE FOR OPERATING A WATER-TURBINE OR A PUMP WATER-TURBINE.

Applicant HITACHI LTD, OF 5-1, MARUNOUCHI 1-CHOMU CHYODOKU, TOKYO, JAPAN.

Inventors : 1. KENZYU OGAWARA, 2. TOORU OSANAI

Application No 1202/Cal/81 filed November 13 1981

Appropriate office for opposition proceedings (Rule 4 Patents Rules 1972) Patent Office Calcutta

1 Claim

A device for operating a water-turbine or a pump water-turbine which device is adapted to supply cooling water to the runner seals during idling of the runner of the said turbine and includes a main machine tripping circuit for tripping the main machine when the flow rate of cooling water is maintained below a predetermined limit for a predetermined period of time, said device comprising a pressure detector for detecting the pressure around the runner and means for exciting the main machine tripping circuit when the pressure detected by the said pressure detector reaches a level approximating the pressure in the draft pipe

Compl specn 21 pages

Drgs 5 sheets

CLASS 32-F + 35 156093

Int Cl. A 01 n 9/00 C 07 c 103/00

A PROCESS FOR PREPARING N-HALOALKYL THIOBENZANILIDES

Applicant STAUFFER CHEMICAL COMPANY OF WESTPORT, CONNECTICUT 06881, UNITED STATES OF AMERICA

2-57GI/85

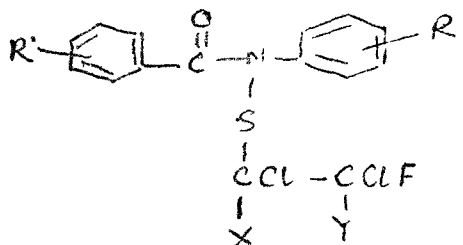
Inventors : 1. HSIAO-LING MAO CHIN, 2. FERENC MARCUS PAILOS.

Application No 37/Cal 82 filed January 8, 1982

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

9 Claims

A process for preparing N-Haloalkyl thiobenzanilides having the formula shown in figure (1) of the accompanying drawings,



in which R is hydrogen, C₁-C₃ alkyl, preferably C₁-C₃ alkyl, C₁C₂ haloalkyl, preferably -CF₃, halogen including -F, -Cl, -Br and -I, -NO₂, C₁ to C₃ alkoxy, R₁ is -H or -C-N, and X and Y are either -Cl or -F but not identical when R₁ is -H and X and Y are Cl when R₁ is -C-N, comprising the following reactions

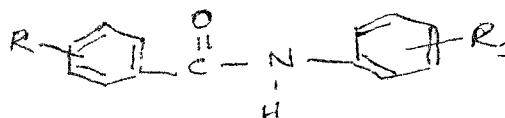
(a) reacting a compound of figure (2) of the drawings



where R has the above meaning with a compound of figure (3) of the drawings

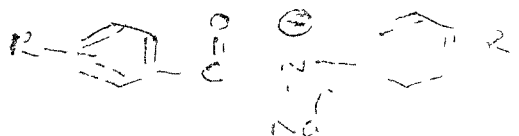


wherein R₁ has the above meaning in an organic solvent in the presence of an oxidant to produce a compound of figure (4)



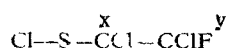
wherein R and R₁ have the above meaning of the drawings

(b) reacting the product of step (a) with NaH in an organic solvent to produce a compound of figure (5) of the drawings



wherein R and R₁ have the same meaning as above and

(c) reacting the product of step (b) with



in an organic solvent to produce the claimed product

Compl. specn. 13 pages

Drgs. 1 sheet.

CLASS : 25 A & D; 27-1 & O

156094

Int Cl : E 04 c 1/00

WALL CONSTRUCTION PREFABRICATED FROM SELF-CONNECTABLE ELEMENTS.

Applicant & Inventors : JACOUES LEAN ALEXANDRE, SEE, OF 78 BOULEVARD VICTOR HUGO, 92200 NEUILLY-SUR-SEINE, HAUTS DE FRANCE AND SYLVAIN VICTOR LOUIS CHEVIANNE, OF MOULIN DU VILLAGE, 95450 THEMERICOURT VAL D'OISE, FRANCE

Application No. 33/Cal/82 filed February 3, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

9 Claims

A wall construction prefabricated from self-connectable elements divided each into four compartments by cross-pieces and each comprising ribs forming diagonals, characterized by first and second hollow elements, the first hollow element comprising a square frame forming also cross-pieces and diagonal ribs, said hollow element having on one side producing fingers for cooperation with a facing plate formed with holes corresponding to the protruding fingers, the diagonal ribs protruding on other side of the frame and being engaged with at least one notch complementary to that of the similar diagonal ribs carried by the second element the second element being made in the same manner as the first element but the side opposite to that from which protrude the diagonal ribs so that said second element forms a facing plate.

Compl. specn. 12 pages

Drgs. 2 sheets.

CLASS : 14-A

156095

Int Cl : H 01 m 27/00

A LEAD-ACID BATTERY ELEMENT STACK AND METHOD OF MAKING SAME

Applicant : GOULD INC. OF 10 GOULD CENTER ROY LANE MEADOWS ILLINOIS 60008, UNITED STATES OF AMERICA, FORMERLY OF E-1200 FIRST NATIONAL BANK BLDG., ST. PAUL, MINNESOTA, U.S.A.

Inventors : 1 THOMAS LESTER OSWAID, 2. DAVID THE LUND

Application No. 258/Cal/82 filed March 5, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims

A method of assembling an element stack of a lead-acid battery comprising :

- providing a strip of separator material having predetermined dimensions such as herein described and pasted positive and negative electrode plates of predetermined dimensions such as herein described;
- placing said separator material in position to receive a first set of said electrode plates;
- affixing said first set of electrode plates of like polarity at predetermined locations such as herein described to said separator material;
- placing said separator in position to receive a second set of electrode plates;
- placing said second set of electrode plates at predetermined locations such as herein described on said separator means; and

(f) folding said separator material with said first and said second sets of electrode plates in said predetermined locations.

Compl. specn. 20 pages.

Drgs. 3 sheets.

CLASS : 32-F, 32-F, a, 32-F, b; 55-E₁

156096

Int. Cl. : C 07 c 101/00; C 07 d 27/00, 35/00.

A PROCESS FOR PREPARING AMIDO-AMINO ACIDS AND SALTS THEREOF.

Applicant : USV PHARMACEUTICAL CORPORATION, 1 SCARSDALE ROAD, TUCKAHOE, NEW YORK, UNITED STATES OF AMERICA.

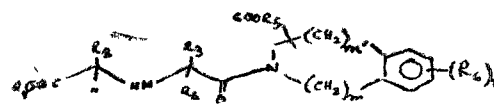
Inventors : 1. JOHN TAIYONG SUH, 2. JEFFREY NIEL BARTON, 3. JOHN ROBERTSON REGAN.

Application No. 265/Cal/82 filed March 8, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for preparing an amido-amino acid of formula I of the accompanying drawings and salt thereof,



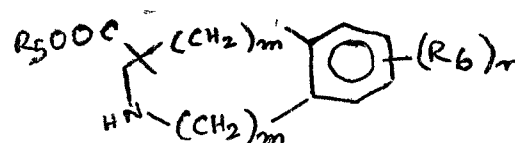
wherein R₁ and R₂ are hydrogen, lower alkyl or phenyl lower alkyl, R₃ and R₄ are independently hydrogen, lower alkyl, lower alkyl, lower alkynyl, aryl, fused aryl-cycloalkyl, cycloalkyl, cycloalkyl heterocyclic substituted lower alkyl, lower phenyl, and lower alkynyl groups wherein the substituent is hydroxy, alkoxy, halo, amino, alkylamino, mercapto and thioalkoxy groups and substituted dialkyl-aryl and heterocyclic groups in which the substituent is allyl, hydroxy, alkoxy, hydroxyalkyl, halo, mercapto, alkyl-mercapto, mercaptoalkyl, haloalkyl, amino, alkylamino, aminoalkyl, nitro, methylenedioxy, and trifluoromethyl;

wherein R₅ is lower alkyl, lower alkenyl, lower alkynyl, nitro, amino, alkylamino, dialkylamino, hydroxy, alkoxy, mercapto, dialkylmercapto, hydroxyalkyl, mercaptoalkyl, haloalkyl, haloalkyl, aminoalkyl, alkylaminoalkyl, dialkylaminoalkyl, sulfonamide, methylenedioxy, or trifluoromethyl.

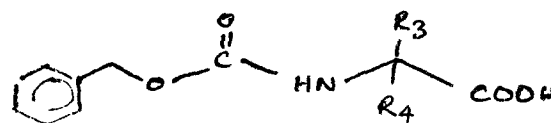
m is an integer from 0 to 2 inclusive;

n is an integer from 1 to 3 inclusive provided that when m is 0, n' is 2 or 3, and when m is other than 0, n' is 1 or 2;

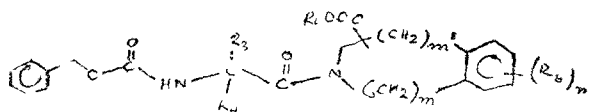
n is an integer from 0 to 4 inclusive; when comprises reacting under amide-forming conditions such as hereinbefore described a compound of formula II



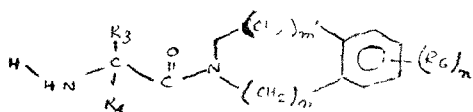
herein with an acylating derivative of an acid of formula III



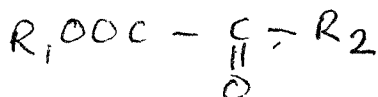
herein to form a compound of the structure of formula IV;



splitting off the carbobenzyloxy group in a known manner to give a free amine of the structure of formula V;



reacting the amine with an α -keto acid or ester of formula VI



wherein R_1 and R_2 are as defined above and reducing the resulting amine to give a compound of formula I, optionally forming salts thereof, especially pharmaceutically acceptable salts with an acid or a base.

Compl. specn. 35 pages

Drgs. 1 sheet.

CLASS : J16 C & G

156097

Int. Cl. : B 65 g 51/00.

FLOW SPLITTER FOR DIVIDING A STREAM OF PULVERULENT MATERIAL INTO MULTIPLE STREAMS.

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventors : 1. GARY FRANK LEXA, 2. DONALD ARTHUR SMITH.

Application No. 319/Cal/82 filed March 22, 1982

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A flow splitter for dividing a stream of pulverulent material into a multiplicity of substantially equal substreams, the flow splitter comprising:

- an inlet nozzle defining an open-ended mixing chamber for receiving a stream of pulverulent material and a stream of air for intermixing therein;
- a distributor housing defining a substantially cylindrical distribution chamber having an inlet for receiving the mixture of pulverulent material and air from the inlet nozzle and a plurality of outlet openings equally spaced about the periphery of and opening from the opposite end thereof;
- a plurality of outlet valve assemblies equal in number to the number of outlet openings in the distribution chamber each outlet valve assembly defining a flow conduit having an inlet mated to an outlet opening in the distribution chamber and an outlet opening;
- a plurality of valve members, one per valve assembly, each valve member slidably disposed within the flow conduit of a valve assembly and retractably

movable therein from the inlet thereof when extended to a point downstream of the outlet thereof when retracted, the end face of each valve member contoured to conform with the inner surface of the cylindrical distribution chamber to which the valve assembly mates when the valve member is in its extended position.

Compl. specn. 12 pages

Drg. 1 sheet.

CLASS : 205-K

156098

Int. Cl. : B 60 c 9/00.

TIRE HAVING AT LEAST A PLY OF RADIAL CABLES FOR HEAVY LOAD CARRIER VEHICLES.

Applicant : MICHELIN & CIE. (COMPAGNIE GENERALE DES ETABLISSEMENTS MICHELIN), OF 4, RUE DU TERRAIL, 63040 CLERMONT-FERRAND, FRANCE.

Inventor : JEAN POMMIER.

Application No. 371/Cal/82 filed April 2, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A tire for heavy and very heavy carrier vehicles, possible travelling off the road, having a carcass reinforcement formed of at least one ply of radial cables anchored to at least one bead ring in each bead and a tread reinforcement comprising at least two superimposed plies, known as working plies, formed of cables of low extensibility which are parallel in each ply and crossed from one ply to the other, forming acute angles with the circumferential direction of the tire, these plies being, on the one hand, of different axial widths so that the axially narrowest ply has a width less than that of the tread and, on the other hand, parallel to the carcass reinforcement along a zone of parallelism of a width less than that of the narrowest ply has the carcass reinforcement following its natural equilibrium meridian profile approximately from the edges of the zone where the two tread plies are parallel to the carcass reinforcement up to at least the point where the latter reaches its maximum axial width, characterized by the fact that the cables of the narrowest working ply, known as the active ply, form, as known per se, an angle of between 15° and 35° with the equatorial plane of the tire, and the other working ply, known as the additional ply, has an axial width between 1.05 times the axial width of the tread and 1.1 times the maximum axial width of the carcass reinforcement, the cables of the additional ply following, at least in the portions thereof which are axially outward of the zone of parallelism, a geodesic trace, and forming with the equatorial plane of the tire an angle α° being greater than and of opposite direction to that of the cable of the active ply, and being between 25° and 65° .

Compl. specn. 20 pages.

Drgs. 2 sheets.

CLASS : 69-B

156099

Int. Cl. : H 02 h 5/00.

SAFETY SYSTEM AGAINST MAKING METAL STRUCTURES LIVE.

Applicant : LUCIEN FERRAZ & CIE, OF 28 RUE SAINT PHILIPPE, FR-69003 LYON, FRANCE.

Inventors : 1. CHARLES MULERTT, 2. JACQUES DANTHONY, 3. JEAN-PIERRE CINQUIN.

Application No. 408/Cal/82 filed April 13, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A safety system against making metal structures live, which comprises the combination of:

- a voltage detector device with semi-conductor having a conduction threshold of very low value, presenting no danger of electrocution;
- a fuse cartridge with plunger, said cartridge being mounted in series with the detector device between the structure to be protected and the ground;
- a short-circuiting switch also mounted between the structure and the ground, this switch, which is normally open, being closed by the plunger of the cartridge, and a surge arrester also connected between the structure and the ground in parallel with the detector and the cartridge, this surge arrester starting at a voltage above the threshold of the detector, but low enough for there to be no danger of electrocution between the moment when the cartridge blows and the one when the short-circuiting switch is closed.

Compl. specn. 10 pages

Drgs. 3 sheets

CLASS 139-A

156100

Int. Cl. C 09 c 1/50

IMPROVED PROCESS FOR THE PRODUCTION OF FURNACE CARBON BLACK.

Applicant: CARBOT CORPORATION, OF 125 HIGH STREET, BOSTON MASSACHUSETTS, U.S.A.

Inventors: 1. FRANK RICHARD WILLIAMS, 2. RONALD ALVIN THURST

Application No. 547/Cal/82 filed May 14, 1982

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

9 Claims

In a modular process for producing furnace carbon blacks wherein a fuel and an oxidant are reacted in a first zone so as to provide a stream of hot primary combustion gases possessing sufficient temperature to convert a carbon black-yielding liquid hydrocarbon feedstock to carbon black and wherein in a second zone a liquid hydrocarbon feedstock is converted to carbon black in the form of a plurality of carbon black particles, a stream of gaseous combustion products in a stream substantially transverse to the direction of flow of the stream of combustion gases and under sufficient pressure to achieve the degree of penetration required for proper shearing and mixing of the feedstock, and wherein in a third zone the feedstock is decomposed and converted into carbon black prior to termination of the carbon furnace reaction by quenching and then cooling, separating and recovering the resultant carbon black, the improvement which comprises introducing into the primary combustion gases a material no further downstream than the point at which the feedstock is injected a material, in elemental or elemental combined form, selected from the group consisting of calcium, barium and strontium, in an amount ranging from 0.0076 to 0.0264 em-moles of material per mole of feedstock to either increase the surface area of the blacks or increase the throughput of the process.

Compl. specn. 28 pages

Drg. Nil

CLASS 76-F

156101

Int. Cl. A 01 k 11/00

ANIMAL EAR TAG APPLICATOR TOOLS

Applicant: AIFIFIX INTERNATIONAL LIMITED OF 931 TREMAIN AVENUE, PALMERSTON NORTH, NEW ZEALAND

Inventors: 1. CHAPIES GERARDUS REGGERS, 2. LINDSAY WILLIAM JOHN COHR, 3. STAFFORD ANTHONY YARDLEY LIDDELL

Application No. 44/Cal/83 filed January 12, 1983.

Convention dated 14th January, 1982 (199494) U.K.

4th November 1982 (202390) U.K.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

18 Claims

An animal ear tag applicator tool comprising first and second levers coupled to each other by pivot means to be pivotable about a pivot, the first lever having jaws movable by the lever from an open position to a closed position, and retention means on the ear tag in use of the applicator tool, retaining an animal ear tag part, characterized in that the pivot means is an open central pivot with the open centre thereof being in communication with the space between the jaws at the open and closed positions thereof, as well as during movement of the jaws between the open and closed positions.

Compl. specn. 14 pages

Drgs. 7 sheets

CLASS 139 55-E

156102

Int. Cl. A 61 k 7/00

A METHOD FOR PREPARATION OF AN ORAL HYGIENE COMPOSITIONS

Applicant: BEECHAM GROUP OF BEECHAM HOUSE, CREAT WEST ROAD, BENTFORD, MIDDLESEX, ENGLAND

Inventor: ROBERT JOHN JACKSON

Application No. 401/Cal/83 filed April 20, 1983

Convention dated 20th April 1982 (8211343) U.K.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

6 Claims

A method for preparation of an oral hygiene composition comprising preparing a mixture of from 0.01 to 20% by weight of the composition of a water-soluble ionic fluoride such as hereinafter described, an abrasive material such as hereinafter described containing metal cations such as hereinafter described, capable of forming a water-insoluble fluoride, and between 0.01 to 10% by weight of the composition of a water-soluble anion such as hereinafter described, together with a wetting agent capable of forming a water-soluble fluoride.

Compl. specn. 16 pages

Drgs. 2 sheets

CLASS 40 F, 164 C; 201 C

156103

Int. Cl. B 29 c 6/00; C 02 c 5/00 21 f 9/00

PROCESS OF MAKING WASTE MATERIAL-RESIN DISPERSIONS FOR WASTE DISPOSAL

Applicant: THE DOW CHEMICAL COMPANY, OF 203 DOW CENTER, AGRICULTURAL ROAD, MIDLAND, MICHIGAN 48640 U.S.A.

Inventors: 1. KEITH FOREMAN, 2. HAROLD EDWARD FILTER

Application No. 714/Cal/82 filed June 30, 1981

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

3 Claims

A process of making waste material-resin dispersions for waste disposal by encapsulating waste material in vinyl ester resins, unsaturated polyester resins or mixtures thereof characterized by incorporating in the waste-resin dispersion a water-soluble polymeric substance such as herein described containing a carbon chain having a plurality of -COOH groups or derivatives thereof.

Compl. specn. 21 pages

Drgs. 1 sheet

CLASS : 127-C, F & I

156104

Int. Cl. : F 16 h 55/36, 55/52.

A PULLEY AND BELT SYSTEM FOR TRANSMITTING POWER FROM THE DRIVE SHAFT OF AN INTERNAL COMBUSTION ENGINE.

Applicant : WALLACE MURRAY CORPORATION, OF 299 PARK AVENUE, NEW YORK, NEW YORK 10171, UNITED STATES OF AMERICA.

Inventor : HERBERT W. EGAN, JR.

Application No. 1340/Cal/81 filed November 27, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A pulley and belt system for transmitting power from the drive shaft of an internal combustion engine to a plurality of auxiliary, pulley-driven power devices, the drive shaft possessing torsional vibrations as it rotates, the drive shaft coupled by means of a driving pulley to a plurality of driven pulleys each attached to a respective auxiliary power device, the improvement comprising, the drive pulley being of the fluid shear type having a fluid coupling between the pulley hub portion which is rigidly coupled to the drive shaft and the radially outermost pulley portion which is coupled to the belt, the fluid coupling including a rotary ring member coupled to the hub portion and whose radially outermost portions are at least partially in contact with a viscous shear liquid, the liquid contained in an annular chamber within the drive pulley, the geometrical configuration of the ring member and of the annular chamber being fixed, the fluid coupling forming means for isolating the torsional vibrations of the drive shaft from the belt, to thereby lessen the occurrence of large amplitude vibrations in the belt due to torsional vibrations in the drive shaft and also to thereby permit more uniform operation of the auxiliary power devices.

Compl. specn. 9 pages.

Drg. 1 sheet.

OPPOSITION PROCEEDINGS

An opposition has been entered by The Atul Products Limited to the grant of a patent on application No. 154405 made by Bayer Aktiengesellschaft.

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153081.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 154889. Wagener Scheweim GmbH, Inder Grastake 20, D-5830 Schwelm, under the Federal Republic of Germany, a German Company. "Modular Press Machine". 27th September, 1984.

Class 1. No. 155408. Fiara Singh and Darshan Singh whose address is Kunjpura Road, Karnal (Haryana) (Indian Partnership concern) all of Kunjpura Road, Karnal (Haryana) (Indians). "Wheat thresher". 18th February, 1985.

Class 3. No. 154660. Rotpunkt Dr. Anso Zimmermann, of 6434 Niederaula, West Germany. "a Jug with Lid". Reciprocity date is 29th June, 1984. (U.K.).

Class 3. No. 154998. Rotpunkt Dr. Anso Zimmermann, of 6434 Niederaula, West Germany, "an Insulating Jug". Reciprocity date is 16th August, 1984. (U.K.).

Class 3. No. 155432. Eagle Flask Private Limited, an Indian Company, at Eagle Estate, Talegaon-410 507, District Pune, Maharashtra State, India. "Container". 26th February, 1985.

Class 3. No. 155330. MCNROE CHEMICALS of P.O. Charampa, Dist. Balasore, Orissa, Pin-756101, India, a Proprietary Firm whose proprietor is Narendra Kr. Daga, Indian. "Container". 25th January, 1985.

Class 3. No. 155431. Eagle Flask Pvt. Limited, an Indian Company, at Eagle Estate, Talegaon 410 507, District Pune, Maharashtra State, India. "Vacuum Flask". 26th February, 1985.

Class 3. No. 155285. Metachem Private Limited, a Company existing under the Companies Act, 1956, of A/3 1st floor, Dadaji Dhakji Building, 56/58 Garibdas Street, Bombay 400 003, Maharashtra, India. "Cap". 14th January, 1985.

Class 3. No. 154898. Rotpunkt Dr. Anso Zimmermann, of 6434 Niederaula, West Germany, "an Insulating Jug". Reciprocity date is 16th August, 1984. (U.K.).

Class 3. No. 155430. Eagle Flask Pvt. Limited, an Indian Company, at Eagle Estate, Talegaon 410 507, Dist. Pune, Maharashtra State, India. "Vacuum Flask". 26th February, 1985.

Class 4. No. 154847. Adam Mullick, an Indian National, 3, Lancers Road, Delhi-110007. "Glass Tiles". 19th September, 1984.

Class 4. No. 154848. Adam Mullick, an Indian National, 3, Lancers Road, Delhi-110007. "Glass Tiles". 19th September, 1984.

Class 12. No. 154907. Metco Inc 1101. Prospect Avenue Westbury (New York 11590) of U.S. Nationality. "Plasma Spraygun". 29th September, 1984.

Class 12. No. 154908. Metco Inc 1101. Prospect Avenue Westbury (New York 11590) of U.S. Nationality. "Powder Feeder". 29th September, 1984.

Class 12. No. 154909. Metco Inc. 1101. Prospect Avenue Westbury (New York 11590) of U.S. Nationality. "Plasma Spray Control Console". 29th September, 1984.

Class 13. No. 154974. Mohan Exports (India) Pvt. Ltd., of Mohan House, Zamrudpur Community Centre, Kailash Colony Extension, New Delhi-110048, India, an Indian Company. "Textile", 24th September, 1984.

Extn. of Copyright for the Second Period of five years.

Nos. 152544, 155046, 155047, 155048,
155049 Class 3.

Extn. of Copyright for the Third period of five years.

Nos. 143056, 143201 Class 1.

Nos. 152544, 155046, 155047, 155048,
155049, 143124. Class 3.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks